

IN THE CLAIMS

Please amend the following claims:

1 - 82. (canceled)

83. (currently amended) A data management system, comprising:

a data management server system that receives a source file for registration and a target file for comparison with the source file;

a key generation system that generates a first unique data identifier for the source file by identifying a predetermined number of source elements in the source file as first source elements, said first unique data identifier being associated with at least one element extraction rule;

a source print generation system that applies said first unique data identifier to the source file and extracts the first source elements from the source file in accordance with said first unique data identifier said at least one element extraction rule;

a data embedding system that embeds an information block into the source file, said information block including information pertaining to ownership of intellectual property rights;

a database system that stores the source file with the embedded information block, said first unique data identifier, the first source elements, and ownership information of the source file; and

a source print detection system that compares the first source elements with corresponding target elements in the target file in accordance with said first unique data identifier and that determines whether coincidence exists between the first source elements in the source file and the target elements in the target file,

wherein the data management system accesses said ownership information to notify an owner of the source file if a first preselected coincidence level exists between the first source elements and the target elements.

84. (previously presented) The system of claim 83, wherein said database system is at least partially incorporated with said data management server system.

85. (previously presented) The system of claim 83, wherein said source print generation system extracts the first source elements being defined by element characteristics selected from the group consisting of an element size, an element start position, and an element initial position relative to said element start position.

86. (previously presented) The system of claim 83, wherein said information block includes user-defined information.

87. (previously presented) The system of claim 86, wherein said user-defined information is at least partially encrypted.

88. (previously presented) The system of claim 83, wherein said information block includes information selected from the group consisting of copyright information, trademark information, licensing information, mandatory compliance information, authorized user information, authorized website information, a file description, and at least one file attribute.

89. (previously presented) The system of claim 88, wherein said mandatory compliance information includes information selected from the group consisting of identification information, age information, custodial information, and other mandatory information required by law for image data.

90. (previously presented) The system of claim 83, wherein said data management system is in communication with at least one external computer system.

91. (previously presented) The system of claim 90, wherein said data management server system provides the source file with said embedded information block to authorized users associated with one or more of the at least one external computer system.

92. (previously presented) The system of claim 90, wherein said source print detection system includes a search member that searches one or more of the at least one external computer system for target files to be compared with the source file.

93. (currently amended) The system of claim 83, wherein said key generation system generates a second unique data identifier for the source file, wherein said source print generation system extracts a second predetermined number of second source elements from the source file in accordance with said second unique data identifier, and wherein said database system associates said second unique data identifier and the second source elements with the source file.

94. (previously presented) The system of claim 93, wherein said database system deletes said first unique data identifier and the first source elements.

95. (previously presented) The system of claim 93, wherein said source print detection system compares the second source elements with corresponding target elements in the target file in accordance with said second unique data identifier and determines whether coincidence exists between the second source elements in the source file and the target elements in the target file.

96. (currently amended) A method for managing data, comprising:

- receiving a source file for registration;
- generating a first unique data identifier for the source file by identifying a predetermined number of source elements in the source file as first source elements, said first unique data identifier being associated with at least one element extraction rule;
- applying said first unique data identifier to the source file;
- extracting the first source elements from the source file in accordance with ~~said first unique data identifier~~ said at least one element extraction rule;
- embedding an information block into the source file, said information block including information pertaining to ownership intellectual property rights;
- storing the source file with the embedded information block, said first unique data identifier, the first source elements, and ownership information of the source file;
- receiving a target file for comparison with the source file;
- comparing the first source elements with corresponding target elements in the target file in accordance with said first unique data identifier;
- determining whether coincidence exists between the first source elements in the source file and the target elements in the target file; and
- accessing said ownership information to notify an owner of the source file if a first preselected coincidence level exists between the first source elements and the target elements.

97. (previously presented) The method of claim 96, wherein said generating said first unique data identifier includes providing at least one data parameter associated with a selected characteristic of said first unique data identifier and incorporating said at least one data parameter into said first unique data identifier.

98. (previously presented) The method of claim 97, wherein said providing said at least one data parameter includes providing said at least one parameter selected from the group consisting of a predetermined number of source elements, an element size, an element start position, an element initial position relative to said element start position, an element type, and an element length.

99. (previously presented) The method of claim 96, further comprising generating a second unique data identifier for the source file by identifying a second predetermined number of second source elements in the source file, extracting the second source elements from the source file in accordance with said second unique data identifier; and storing said second unique data identifier and the second source elements with the source file.

100. (previously presented) The method of claim 99, further comprising deleting said first unique data identifier and the first source elements.

101. (previously presented) The method of claim 99, further comprising comparing the second source elements with corresponding target elements in the target file in accordance with said second unique data identifier, determining whether coincidence exists between the second source elements and the target elements, and accessing said ownership information to notify the owner of the source file if a second preselected coincidence level exists between the second source elements and the target elements.

102. (previously presented) The method of claim 101, wherein said first preselected coincidence level differs from said second preselected coincidence level.

103. (previously presented) The method of claim 96, wherein said extracting the source elements includes extracting the source elements from the source file having data in a compressed format.

104. (previously presented) The method of claim 103, wherein said extracting the source elements includes expanding the data of the source file.

105. (previously presented) The method of claim 96, wherein said extracting the source elements includes forming a concatenated string of the source elements.

106. (previously presented) The method of claim 96, wherein said extracting the source elements includes normalizing data of the source file and extracting the normalized data from the source file.

107. (previously presented) The method of claim 96, wherein said embedding said information block includes at least partially encrypting said information block.

108. (previously presented) The method of claim 96, wherein said receiving said source file includes communicating with an external computer system.

109. (previously presented) The method of claim 108, further comprising searching one or more of the at least external computer system for target files to be compared with the source file.

110. (previously presented) The method of claim 108, further comprising providing the source file with said embedded information block to authorized users associated with one or more of the at least one external computer system.

Please add the following new claims:

111. (new) The method of claim 96, wherein said extracting the first source elements comprises extracting the first source elements from the source file via compression specific element extraction.

112. (new) The method of claim 96, wherein said extracting the first source elements comprises extracting the first source elements from the source file via non-compression specific element extraction.

113. (new) The method of claim 112, wherein said receiving the source file includes receiving a source file with a plurality data values, and wherein said extracting the first source elements includes calculating an average value of the data values for each of the first source elements.

114. (new) The method of claim 113, wherein said receiving a source file includes receiving a video source file with a plurality of red-green-blue (RGB) data values, and wherein said calculating the average value of the data values comprises calculating an average value of the RGB data values for each of the first source elements.